



PROJECT: Indiana Dunes National Lakeshore (Indiana Shoreline)

AUTHORIZATION: WRDA 1986 (Sec 501 (a))

TYPE: Beach Nourishment - Construction

DESCRIPTION: For many years, the movement of sand along the Indiana Dunes National Lakeshore has been interrupted by the Michigan City harbor structures, causing accelerated erosion of the beach and dunes west of the structures. As mitigation for littoral drift losses and erosion resulting from the harbor structures, the Corps will truck sand from an approved inland source to place along the shoreline. About 150-200 truckloads of material will be placed daily during the construction season. The authorized project includes initial beach nourishment of 264,500 cubic yards of material and periodic nourishment of 264,500 cubic yards of material at five-year intervals for 50 years.

CURRENT STATUS: The initial beach nourishment project, which began in 1996, was completed July 1999. To date, approximately 273,000 cubic yards of coarse sand have been placed. Currently, coastal engineering activities consist of detailed monitoring of sand movement and beach erosion as impacted by the initial beach nourishment contracts. The U.S. Geological Survey was contracted to determine the response of fish in near-shore habitats to beach nourishment.

PLANNED WORK:

FY 01

- Prepare plans and specifications to begin the next round of sand placement.
- Complete associated construction activities.

FY 02

- No funds in budget

PROJECT COSTS:

Initial Fill Project Cost \$ 6,850,000

Total Project Cost 184,000,000 (100% Federal)—represents the undiscounted, inflated value of the expected stream of costs that are likely to be incurred over the 50-year project life.

BENEFITS: Average annual benefits: \$2,400,000; BCR: 2.5

LOCAL SPONSOR: None. The property owner is National Park Service and the construction is being completed by the Corps of Engineers at 100 percent federal expense.

ISSUES/CONCERNS:

* None

PROJECT MANAGER: Felicia Kirksey